

# AI & YOUTH 2020 WIN THE BATTLE, LOSE THE WAR?

Council of Europe, Youth Knowledge Forum, 'New Times, New Methods'

@jonniepenn - jnp28@cam.ac.uk

29 October, 2020

**'If we are victorious in one more battle with the Romans, we shall be utterly ruined.'**

— Plutarch

# Background



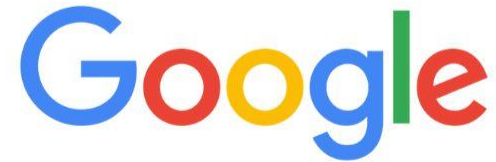
UNIVERSITY OF  
CAMBRIDGE



**BERKMAN  
KLEIN CENTER**  
FOR INTERNET & SOCIETY  
AT HARVARD UNIVERSITY



LEVERHULME CENTRE FOR THE  
FUTURE OF INTELLIGENCE





## **Sawyer Seminar--Histories of Artificial Intelligence: A Genealogy of Power**

to support a Sawyer Seminar on the Comparative Study of Cultures entitled "Histories of Artificial Intelligence: A Genealogy of Power"

**Location:** Cambridge, United Kingdom

For more see: [Histories of Artificial Intelligence: A Genealogy of Power, University of Cambridge](#)



Comparing the 'canonical' history of AI...



...with the material, political, and colonial histories of information systems

- 1 Hidden labour
- 2 Disingenuous rhetoric
- 3 Encoded behaviour
- 4 Cognitive injustice

For more see: ['Artificial Intelligence and Youth: Hopes and Concerns'](#) at [Artificial Intelligence and its Impact on Young People](#), Council of Europe, 5 December 2019

**Concepts Which Uphold “Imagined Objectivity”**

*Because they locate the source of the problem in individuals or technical systems*

Ethics

Bias

Fairness

Accountability

Transparency

Understanding algorithms

**Intersectional Feminist Concepts Which Strengthen Real Objectivity**

*Because they acknowledge structural power differentials and work towards dismantling them*

Justice

Oppression

Equity

Co-liberation

Reflexivity

Understanding history, culture, and context

ties, combined with an ever broader political integration of the world. Within this expanding framework it was possible to accommodate the major tensions created by technological progress.

Now this safety mechanism is being sharply inhibited; literally and figuratively, we are running out of room. At long last, we begin to feel the effects of the finite, actual size of the earth in a critical way.

Thus the crisis does not arise from accidental events or human errors. It is inherent in technology's relation to geography on the one hand and to political organization on the other. The crisis was developing visibly in the 1940's, and some phases can be traced back to 1914. In the years between now and 1980 the crisis will probably develop far beyond all earlier patterns. When or how it will end—or to what state of affairs it will yield—nobody can say.



# AI is an Ideology, Not a Technology

At its core, "artificial intelligence" is a perilous belief that fails to recognize the agency of humans.

**"AI" is best understood as a political and social ideology rather than as a basket of algorithms.** The core of the ideology is that a suite of technologies, designed by a small technical elite, can and should become autonomous from and eventually replace, rather than complement, not just individual humans but much of humanity. Given that any such replacement is a mirage, this ideology has strong resonances with other historical ideologies, such as technocracy and central-planning-based forms of socialism, which viewed as desirable or inevitable the replacement of most human judgement/agency with systems created by a small technical elite... **Pluralistic visions of liberal democratic market societies will lose out to AI-driven ones unless *we reimagine the role of technology in human affairs.***



# A Taxonomy of Contingent Labor

**1 Ghost Work**

**2 Technical Debt**

**3 Intellectual Debt**

**4 Critique**

**5 Participatory Labour**

# Participatory Labour

- **Do-it-yourself economies**

ex. self-checkouts, self-check-ins, self-booking systems, solve-it-yourself customer service

- **Open source software economies**

ex. pro-bono support of for-profit infrastructures

- **Inference economies**

ex. proprietary model training via auto-complete, CAPTCHA or service fulfillment, such as traffic patterns inferred from a driver's rideshare activity without fair compensation

- **Digital labor and informational labor economies**

ex. online community management, such as the labor volunteered by women of color in response to misogyny and racism on platform systems (Huws 2014; Nakamura 2009; 2015)

- **Covert agency economies**

ex. the unacknowledged workarounds users employ to modify or overcome limited affordances in an algorithmic system (S. A. Applin and Fischer 2015)

- **Dark pattern economies**

ex. design affordances that trick a user into signing up for something they do not want (Darlo and Brignull 2019)

- **Reputation maintenance economies**

ex. labor undertaken to maintain one's standing when it is impacted by a system's shortcomings or outright failings (Elish 2016)

Conciliation No. 4

Quasi adagio.




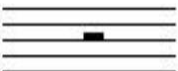

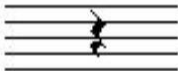

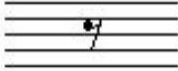

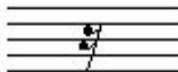
Cantabile con divozione

hold for all beats

hold for all beats

marcato



Name	Note	Rest	Length
Whole Note			4 beats
Half Note			2 beats
Quarter Note			1 beat
Eighth Note			1/2 beat
Sixteenth Note			1/4 beat





Calgary

## Drones banned in national parks, with exceptions



A tangle of regulations and rules for commercial users, and an outright ban on recreational use

CBC News · Posted: Dec 07, 2015 5:49 PM MT | Last Updated: December 8, 2015



An Automated Aeronautics drone prepares for a flight in Banff, something owner Mitch Drzymala says is more difficult than flying a plane in a national park. (Genevieve Normand/CBC)

## Portland City Council Passes Strongest Ban on Facial Recognition in US

Blog AG Data Dive

### Minneapolis Will Consider Facial Recognition Ban

The motion could signal a wave of reforms over the use of military and surveillance equipment following the killing of George Floyd by Minneapolis police.

SR By Sam Richards

16.10.20 Share Tweet Snap

### Google affiliate Sidewalk Labs abruptly abandons Toronto smart city project

**Sidewalk Labs' CEO said unpredictabilities stemming from pandemic meant project was no longer feasible**

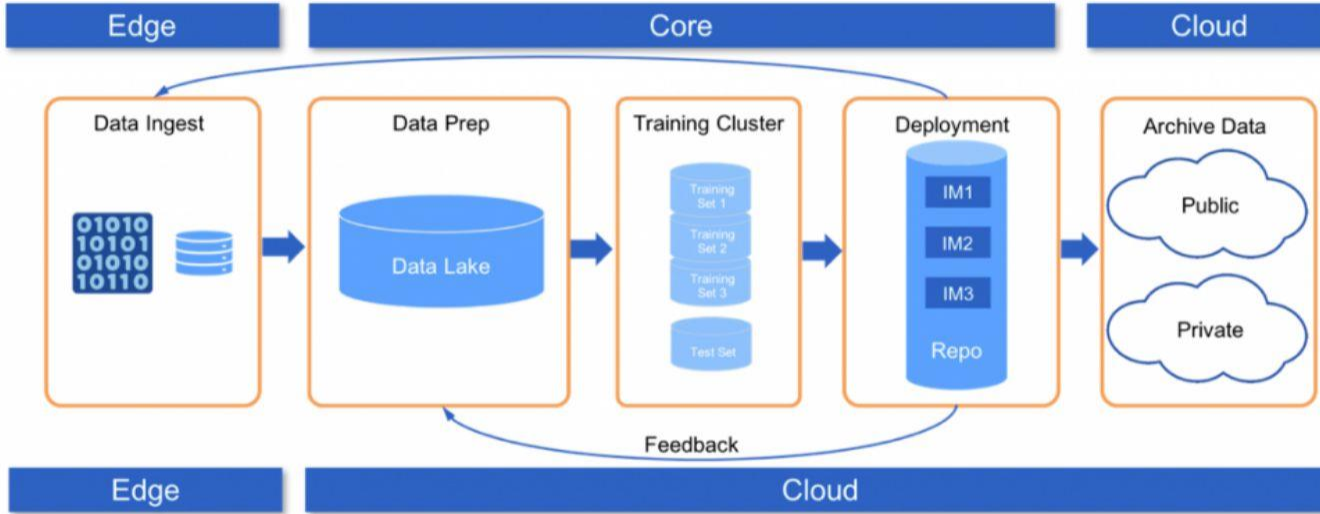




14 Smartphone Sensors



## On-premises Deep Learning Pipeline



## Cloud Deep Learning Pipeline

# Data Maturity Framework

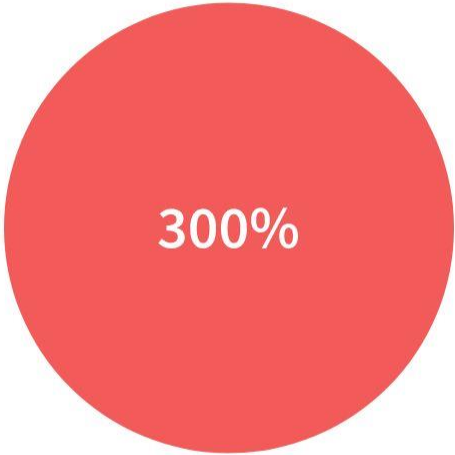


Landscape analysis



Tool Testing

# the reality for young workers today



**youth 3x as likely to be unemployed**

UN SDG Report, 2018



**Young women Aged 18-24 stated that the greatest struggle for their generation would be to find any kind of well paid, permanent job**

Vodafone: The State of iGen



**Youth who think they will have a worse life than their parents**

Ipsos, 2014

## TARGETS

**8.6** By 2020, substantially reduce the proportion of youth not in employment, education or training

**8.8** Protect labour rights and promote safe and secure working environments for all workers, including migrant workers, in particular women migrants, and those in precarious employment

## INDICATORS

**8.6.1** Proportion of youth (aged 15-24 years) not in education, employment or training

**8.8.1** Frequency rates of fatal and non-fatal occupational injuries, by sex and migrant status

**8.8.2** Increase in national compliance of labour rights (freedom of association and collective bargaining) based on International Labour Organization (ILO) textual sources and national legislation, by sex and migrant status

# AI & YOUTH 2020 WIN THE BATTLE, LOSE THE WAR?

Council of Europe, Youth Knowledge Forum, 'New Times, New Methods'

@jonniepenn - jnp28@cam.ac.uk

29 October, 2020